

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) An energetic composition, comprising:
a high energy material; and,
~~one or more~~ at least one nanotubular structures comprising the high energy material.
2. (Currently Amended) The energetic composition of claim 1, wherein the high energy material comprises an explosive composition selected from ~~the group consisting of~~ at least one of RDX, TNT, and HMX and combinations thereof.
3. (Currently Amended) The energetic composition of claim 2, wherein the high energy material comprises ~~HMX or RDX~~ one of HMX and RDX.
4. (Previously Presented) The energetic composition of claim 1, further comprising a melt temperature lowering component.
5. (Currently Amended) The energetic composition of claim 1, wherein ~~the one or more~~ said at least one nanotubular structures comprise a plurality of nanotubes.
6. (Currently Amended) The energetic composition of claim 1, wherein ~~the one or more~~ said at least one nanotubular structures comprises a diameter of from about 300 micrometers to about 1000 micrometers.

7. (Previously Presented) The energetic composition of claim 1, further comprising inert material.
8. (Currently Amended) The energetic composition of claim 7, wherein the inert material ~~comprises one or more~~ is formed into at least one inert nanotubular structures.
9. (Currently Amended) The energetic composition of claim 1, wherein ~~the one or more~~ said at least one nanotubular structures ~~are~~ is substantially longitudinally aligned.
10. (Currently Amended) The energetic composition of claim 1, wherein ~~the one or more~~ said at least one nanotubular structures ~~are~~ is aligned along a direction of increased burn rate.
11. (Previously Presented) A burn rate modifier comprising the energetic composition of claim 1.
12. (Previously Presented) A solid propellant comprising the energetic composition of claim 1.
13. (Previously Presented) A rocket motor system comprising the energetic composition of claim 1.

14-20. Canceled

21. (New) The energetic composition of claim 1, wherein said at least one nanotubular structure is composed of the high energy material.

22. (New) The energetic composition of claim 1, wherein the high energy material is incorporated into said at least one nanotubular structure.

23. (New) The energetic composition of claim 1, wherein said at least one nanotubular structure comprises a predetermined diameter from about 50 micrometers to about 100 micrometers.

24. (New) The energetic composition of claim 1, wherein said at least one nanotubular structure comprises an opening with a predetermined diameter sized to permit a flame to enter said opening.

25. (New) The energetic composition of claim 1, wherein said at least one nanotubular structure comprises a predetermined wall thickness of a few tens of nanometers.

26. (New) The energetic composition of claim 1, wherein said at least one nanotubular structure is substantially aligned in a direction of extrusion for increased burn rate.
27. (New) The energetic composition of claim 1, wherein said high energy material is an explosive composition.